

IN THE SPECIFICATION:

The first full paragraph on page 6 has been amended as follows:

(3) Still further, the ~~present invention proposes an~~ X-ray computer tomography apparatus mentioned in (1) and 2) is comprised of ~~having an X-ray radiation means comprising an X-ray generator, a two-dimensional X-ray image sensor and a circulating means for circulating the X-ray generator and the two-dimensional X-ray image sensor. A first X-ray tomography is executed for obtaining a curved plane tomography or a flat plane tomography image in a manner that the X-ray generator and the two-dimensional X-ray image sensor are moved relative to each other with an object to be examined interposed therebetween so as to hold their mutual facing positional relation, whereas a second X-ray tomography is executed for reconstructing the image of an interested area of the object. The X-ray computer tomography apparatus is comprised of an object holding means for holding the object, an image processing means for producing the X-ray sectional image by executing Time Delay Integration (TDI) process to the X-ray transmitted image detected by the two-dimensional X-ray image sensor in the first X-ray tomography, which is transmitted through the object by radiating X-ray from the X-ray generator; and an object moving means for moving the X-ray radiation means or the object holding means.~~